

United States of America  
Department of Transportation Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* ST00734DE

*This certificate, issued to* The National Science Foundation  
4201 Wilson Boulevard  
Arlington, Virginia 22230

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 \* of the Federal Aviation Regulations.* \* Certification basis is set forth in Type Certificate Data Sheet A12EA

*Original Product—Type Certificate Number:* A12EA  
*Make:* Gulfstream  
*Model:* GV (S/N 677)

*Description of the Type Design Change:*

Installation of three (3) fuselage optical window assemblies to support atmospheric research and meteorological observations in accordance with National Center for Atmospheric Research Optical Window Project Drawing List DL-100-09, Revision A, dated May 26, 2010 or later FAA approved revision. This installation is complemented by STC No. ST03056AT that provides the fuselage view port locations for the optical window assemblies.

*Limitations and Conditions:* A copy of this certificate, the FAA Approved Airplane Flight Manual Supplement, No. FMS-100-09, Revision IR, dated and approved September 23, 2011, or later FAA approved revision, and the FAA accepted Instructions for Continued Airworthiness ICA-100-09, Revision IR, dated August 22, 2011, or later FAA accepted revision is required and must be maintained as a part of the permanent records for this aircraft. This approval is limited to Gulfstream Model GV, Serial No. 677 only. Compatibility of this design change with previously approved modifications must be determined by the installer. STC No. ST03056AT is a required installation for this STC. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* September 14, 2009

*Date reissued*

*Date of issuance:* September 28, 2011

*Date amended:*



*By direction of the Administrator*

(Signature)

Todd Dixon  
Manager, Denver Aircraft Certification Office

(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*